BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer - Project Dasarahalli Zone Division

Detailed Estimate

Name of the Work : Development of parks at Manjunatha nagara, Ramaiah layout and Soap Factory Layout in Dasarahalli Zone

Estimate Amount : 15000000.00

Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
							PARK WORK		
1	KSRB 2-1.1: Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Ordinary soil								
	(Page No. 6, I.No. 2.1 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***249.00***							
	Area Wieght age @ 6%	***14.94***							
	Total Rate in Rs	***263.94***							
	Soap Factory Park								
	For Gym Area		1	667.00		0.80	533.60		
							533.60	**263.94**	**140838.38**
2	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of modified proctors density) MORTH Specification No. 305								
	(Page No. 147, I.No. 19.62 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***349.00***							
	Area Wieght age @ 6%	***20.94***							
	Total Rate in Rs	***369.94***							
	Soap Factory Park								
	For Gym Area		1	667.00		0.50	333.50		
							333.50	**369.94**	**123374.99**
3	KSRB 2-2.1 : Earthwork excavation by manual means in ordinay soil for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1(a) / 2.3.5								
	(Page No. 6, I.No. 2.3 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***299.00***							
	Area Wieght age @ 6%	***17.94***							
	Total Rate in Rs	***316.94***							
	Ramaiah Park								
	For Gym Area		12	3.50	2.50	0.45	47.25		
			9	4.30	2.50	0.45	43.54		
	For equipments foundation		30	0.90	0.90	1.00	24.30		
	Soap Factory Park								
	For Drain		1	38.00	1.20	0.90	41.04		
	For Compound Wall		1	120.00	0.75	0.90	81.00		
	For Pathway		1	111.00	2.10	0.225	52.45		
	For Gym Area		1	29.60	0.75	0.75	16.65		

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	For Children play Area		1	29.60	0.75	0.75	16.65		
	For equipments foundation		39	0.90	0.90	1.00	31.59		
							354.47	316.94	112345.72
4	KSRB 2.10 : Providing sand cement bed with 5% cement all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification. No. KBS 2.10.2								
	(Page No. 7, I.No. 2.17 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***2998.00***							
	Area Wieght age @ 6%	***179.88***							
	Total Rate in Rs	***3177.88***							
	Ramaiah Park								
	For Gym Area		12	3.50	2.50	0.225	23.63		
			9	4.30	2.50	0.225	21.77		
	For equipments foundation		30	0.90	0.90	0.15	3.65		
	Soap Factory Park								
	For Compound Wall		1	120.00	0.75	0.15	13.50		
	For Gym Area		1	29.60	0.75	0.15	3.33		
	For Children play Area		1	29.60	0.75	0.15	3.33		
	Flooring		1	8.80	5.10	0.15	6.73		
	For equipments foundation		39	0.90	0.90	0.15	4.74		
							80.67	3177.88	256359.58
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	(Page No. 13, I.No. 4.2 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***5194.00***							
	Area Wieght age @ 6%	***311.64***							
	Total Rate in Rs	***5505.64***							
	Ramaiah Park								
	For Gym Area		12	3.50	2.50	0.15	15.75		
			9	4.30	2.50	0.15	14.51		
	For equipments foundation		30	0.90	0.90	0.15	3.65		
	Soap Factory Park								
	For Drain		1	38.00	1.20	0.15	6.84		
	For Compound Wall		1	120.00	0.75	0.15	13.50		
	For Gym Area		1	29.60	0.75	0.15	3.33		
	For Children play Area		1	29.60	0.75	0.15	3.33		
	Flooring		1	8.80	5.10	0.15	6.73		
	For equipments foundation		39	0.90	0.90	0.15	4.74		
							72.38	5505.64	398498.22

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.walls & bottom thickness 15cm								
	(Page No. 271, I.No. 37.59.2 of KPWD S.R 2018-19).								
	Basic rate	***Cum 6670.00***							
	Area Wieght age @ 6%	***400.20***							
	Total Rate in Rs	***7070.20***							
	Soap Factory Park								
	For Drain								
	Raft		1	38.00	0.90	0.15	5.13		
	Wall		2	38.00	0.15	0.75	8.55		
							13.68	**7070.20**	**96720.34**
7	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed 2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	(Page No. 14, I.No. 4.10 of KPWD S.R 2018-19).								
	Basic rate	***Cum 5812.00***							
	Area Wieght age @ 6%	***348.72***							
	Total Rate in Rs	***6160.72***							
	Ramaiah Park								
	For equipments foundation		30	0.60	0.60	1.00	10.80		
	Soap Factory Park								
	For equipments foundation		39	0.60	0.60	1.00	14.04		
							24.84	**6160.72**	**153032.28**
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(Page No. 16, I.No. 4.28 of KPWD S.R 2018-19).								
	Basic rate	***Sqm 258.00***							
	Area Wieght age @ 6%	***15.48***							
	Total Rate in Rs	***273.48***							
	Ramaiah Park								
	For equipments foundation		30	2.40		1.00	72.00		
	Soap Factory Park								
	For equipments foundation		39	2.40		1.00	93.60		
							165.60	**273.48**	**45288.29**
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	(Page No. 18, I.No. 4.46.2 of KPWD S.R 2018-19).								
	Basic rate	***Tonne***							
	Area Wieght age @ 6%	***78007.00***							
	Total Rate in Rs	***4680.42***							
		82687.42							
	Take steel 125Kg/Cum for equipments foundation		1	24.84		0.125	3.11		
	Take steel 60Kg/Cum for RCC Drain		1	13.68		0.06	0.82		
							3.93	**82687.42**	**324961.56**
10	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made out of M25 with OPC cement @ 340 Kgs per Cum, with 20mm and down size graded granite metal coarse aggregates @ 0.70 Cum and fine aggregated @ 0.74 Cum with super plasticisers, machine mixed, including providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost & reinforcement charges, including finishing as required with cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by Engineer in charge of the work.								
	Data Rate								
		No.							
	Total Rate in Rs	***1724.00***							
	Soap Factory Park								
	For Drain								
			1	38.00	0.90		34.20		
							34.20	**1724.00**	**58960.80**
11	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	(Page No. 25, I.No. 5.6 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***4596.00***							
	Area Wieght age @ 6%	***275.76***							
	Total Rate in Rs	***4871.76***							
	Soap Factory Park								
	For Compound Wall								
	SSM Foundaion								
	1st Step		1	120.00	0.60	0.60	43.20		
	2nd Step		1	120.00	0.45	0.60	32.40		
	For Gym Area								
	1st Step		1	29.60	0.60	0.45	7.99		
	2nd Step		1	29.60	0.45	0.45	5.99		
	For Children play Area								
	1st Step		1	29.60	0.60	0.45	7.99		
	2nd Step		1	29.60	0.45	0.45	5.99		
							103.57	**4871.76**	**504568.18**
12	KSRB 15.1.3 – do – Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar 1:3 after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	(Page No. 115, I.No. 15.3 of KPWD S.R 2018-19).								
		Sqm							
	Basic rate	***142.00***							
	Area Wieght age @ 6%	***8.52***							
	Total Rate in Rs	***150.52***							

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Soap Factory Park								
	For Compound Wall								
	SSM Foundaion								
	2nd Step		1	120.00		1.20	144.00		
	For Gym Area								
	2nd Step		1	29.60		0.90	26.64		
	For Children play Area								
	2nd Step		1	29.60		0.90	26.64		
							197.28	**150.52**	**29694.59**
13	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1, 4.2								
	(Page No. 13, I.No. 4.6 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***5422.00***							
	Area Wieght age @ 6%	***325.32***							
	Total Rate in Rs	***5747.32***							
	Soap Factory Park								
	For Compound Wall								
	SSM Foundaion								
	2nd Step		1	120.00	0.45	0.15	8.10		
	For Gym Area								
	2nd Step		1	29.60	0.45	0.15	2.00		
	For Children play Area								
	2nd Step		1	29.60	0.45	0.15	2.00		
	For ornamental Grill		39	0.45	0.45	0.45	3.55		
							15.65	**5747.32**	**89945.56**
14	KSRB 14.6-1 : Providing and laying heavy duty cobble stones interlock pavers 60mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS								
	(Page No. 103, I.No. 14.6 of KPWD S.R 2018-19).								
		Sqm							
	Basic rate	***1053.00***							
	Area Wieght age @ 6%	***63.18***							
	Total Rate in Rs	***1116.18***							
	Soap Factory Park								
	For Pathway		1	111.00	1.80		199.80		
							199.80	**1116.18**	**223012.76**
15	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.								
	(Page No. 27, I.No.5.30 of KPWD S.R 2018-19).								
		No.							
	Basic rate	***408.00***							
	Area Wieght age @ 6%	***24.48***							
	Total Rate in Rs	***432.48***							

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Ramaiah Park								
	For Gym Equipment surrounding								
			12	12.00			144.00		
			9	13.60			122.40		
	Soap Factory Park								
	For Pathway		2	111.00			222.00		
							488.40		
							1085.00	**432.48**	**469240.80**
16	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8								
	(Page No. 180, I.No.24.1 of KPWD S.R 2018-19).								
		Sqm							
	Basic rate	***80.00***							
	Area Wieght age @ 6%	***4.80***							
	Total Rate in Rs	***84.80***							
	Ramaiah Park								
	For Gym Equipment surrounding								
			12	12.00		0.35	50.40		
			9	13.60		0.35	42.84		
	Soap Factory Park								
	For Pathway		2	111.00		0.35	77.70		
							170.94	**84.80**	**14495.71**
17	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.								
	(Page No. 112, I.No. 14.62 of KPWD S.R 2018-19).								
		Sqm							
	Basic rate	***1232.00***							
	Area Wieght age @ 6%	***73.92***							
	Total Rate in Rs	***1305.92***							
	Ramaiah Park								
	For Gym Area		12	3.20	2.20		84.48		
			9	4.00	2.20		79.20		
	Soap factory Park								
	For Gym Area		1	8.80	5.10		44.88		
							208.56	**1305.92**	**272362.68**
18	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2								
	(Page No. 7, I.No. 2.13 of KPWD S.R 2018-19).								
		Cum							
	Basic rate	***2060.00***							
	Area Wieght age @ 6%	***123.60***							
	Total Rate in Rs	***2183.60***							
	Soap Factory Park								
	For Children play Area								
			1	8.80	5.10	0.45	20.20		
							20.20	**2183.60**	**44108.72**

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
19	Fabricating, providing and erecting in poiston of Hot dip galvanised M S Ornamental security Grill using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providng two coats of enamel painting over one coatr of red lead ready mix primer cont etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings,								
	(Page No. 44, I.No. 7.34 of KPWD S.R 2018-19).								
		Kg							
	Basic rate	***179.00***							
	Area Wieght age @ 6%	***10.74***							
	Total Rate in Rs	***189.74***							
			1	80.00		1.80	144.00		
							144.00		
			take 65kg/Sqm for Gate				9360.00		
							9360.00	**189.74**	**1775966.40**
								Sub Total - 1	**5133775.57**
	CHILDREN PLAY EQUIPMENT								
20	Providing, fabricating and fixing Special Multiplay Systems consists of FRP moulded with Aluminium chequered Platforms of size 5'X5' with 4 Support piller made out of 75mm dia G.I "B" Pipes fixed in cement concrete 1:2:4. The platforms are to be covered with tubular Slide & Mini Aquva tunnel slide made up of high quality FRP the slide is to fixed at a height of 11' and runs runs for a length of not less than 20' and the slide should be supported at regular intervals of 6' using M.S. pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of G I sheet with tred 4" with powder coated finish, fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-corrossive, fade free,tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge ofthe with all lead and lift, loading and unloading and any incidental chatges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint i ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***595000.00***							
			1				1.00		
							1.00	**595000.00**	**595000.00**
21	Providing fabricating and fixing of spiral climber of height not less than 10' made out of 25mm dia MS pipe with Aluminium chequere plate platform of size 3'x3' with 4legs made out of 75mm dia G.I Pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof. The platform is to be fitted with Single Lane slide made up of high quality FRP the slide is to fixed at a height of 9' and runs for a length of not less than 20' the slide should be suported at regular intervals of 4' using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing platforms should be placed at approximately 9' from ground level. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***180000.00***							
			1				1.00		
							1.00	**180000.00**	**180000.00**

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
22	Providing, fabricating and fixing play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3' fixed at 7' height from ground level with 4 legs made out of 75 mm dia G.I Pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof, the slide should be supported at regular intervals of 4' using M>S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. The play equipment is to be fitted with Double seated swing for kids and Aqua bowl slide made up of high quality FRP the slide is to fixed at a height of 7' and runs for a length of not less than 12'. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and diredtions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) The chain of the swing are rubber coated with stainless steel sheets and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***220000.00***							
			1				1.00		
							1.00	**220000.00**	**220000.00**
23	Providing, fabricating and fixing Special play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3' fixed at 5' height from ground level with 4 legs made out of 65mm dia G.I. "B" Pipes fixed cement concrete 1:2:4. The platforms are to be fitted with Monkey climber for kids and Roller slide (Moulded plastic rollers) fixed at a height of 5' and runs for a length of not less than 12'. the slide should be supported at regular intervals of 6' usng M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***180000.00***							
			1				1.00		
							1.00	**180000.00**	**180000.00**
24	Providing, fabricating and fixing children play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3' fixed at 3' height from ground level with 4 legs made out of 75mm dia G.I. Pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof, fine quality FRP with suitable design and as per drawing. The platform is to be fitted with Double twin wave slide for kids made up of high quality FRP material and also high quality plastic rope climber is to fixed at a height of 3' and runs for a length of not less than 5'. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***145000.00***							
			1				1.00		
							1.00	**145000.00**	**145000.00**

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
25	Providing fabricating and fixing Multiplay Special Slider Systems consisting of the platform with 25mm dia MS pipe with Aluminium chequered plates of size 3'x3' & 7' height from ground level with 4legs made out of 65mm dia G.I Pipes fixed cement concrete 1:2:4. The platforms is to be fitted with FRP Wave slide, spiral slide and standard slide, with vertical ladder on one slide each with G.I sheet steps of tred 4" 25mm dia MS pipes with suitable hand rails fixed at a height of 5' and runs for a length of not less than 12'. The platform are to be covered with pyramid shaped FRP roof, the slide should be supported at regular intervals of 4' using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***520000.00***							
			1				1.00		
							1.00	**520000.00**	**520000.00**
26	Providing and fixing children play bridge with M.S' perforated tunnel, wave bridge, Arch bridge & hanging bridge made out of MS pipes and chequred plates uns for a height 11' to 5'. The work should be executed as per the standard specification and direction of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (all swings chains are rubber coated & all 'S' hooks are stainless steel) and as per the drawing and specification and direction of the Engineer in charge of the work.								
	Data Rate								
		Set							
	Total Rate in Rs	***120000.00***							
			1				1.00		
							1.00	**120000.00**	**120000.00**
	GYM EQUIPMENT								
27	Supply & fixing of Pull Down Challenger (Shoulder Press) (Area - 4'6" X 3' Height 7') : All tubular steel of 2.5mm thickness are galvanized and zinc dipped. All welded joints are scalloped as necessary and welded. All welds are dressed off removing all sharp edges and burrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance - free self greased SKF ball bearings. Scope of delivery : 1 completely pre assembled equipments modules. This equipment is powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***248000.00***							
			3				3.00		
							3.00	**248000.00**	**744000.00**
28	Supply & fixing of Seated Chest Press (Area - 4'6" X 3' Height 7') : The chest press is heavy guage steel made up of 100mm NB MS pipes. The sub structure consists of 25 mm NB MS pipes and heavy duty bushes pivoted to one end and moveable up down on the other. The seats are made up of pressed FRP, self weighted machine built to support vigorous workout for up to 2 people. The Chest press supports and promotes strength to the chest, arms, shoulders and back. The exercise can be done in repetitions by increasing the time gradually which help in building stamina. Maintenance - free self greased SKF ball bearings. The whole equipment is powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***258000.00***							
			3				3.00		
							3.00	**258000.00**	**774000.00**

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
29	Supply & fixing of Elliptical (Cross Trainer) (Area - 5' X 3', Height - 5'6") : All tubular steel of 2.5 mm thickness are galvanized and zinc dipped.All welded. All welded joints are dressed off removing all sharp edges and burrs. All metal parts are powder coated using marpol powder to the thickness of 80-120microns. Rubber: High quality grip rubber is used for the handles. Bearings Maintenance-free self greased SKF ball bearings Scope of delivery: 1 completely pre-assembled equipment modules. This equipment is powder coated.								
	Data Rate								
		No.							
	Total Rate in Rs	***148000.00***							
			3				3.00		
							3.00	**148000.00**	**444000.00**
30	Supply & fixing of Air walker (moon walker) area-4' X 3' height 4') : This equipment is made up of 100mm NB heavy guage pipes .The footsteps are made up of Alunminium castings. This helps in strengthening and toning the legs. Experiment with various speeds and different levels of intensity can be done maintenance- free self greased SKF ball bearings. This Equipment is powder coated.								
	Data Rate								
		No.							
	Total Rate in Rs	***178000.00***							
			4				4.00		
							4.00	**178000.00**	**712000.00**
31	Supply & fixing of Doulbe health walker (Hand Puller) (Area- 5'6"x3'6" Height -5'6") : This equipment is made up of Central 100mm pillars. The first steps are made up of Aluminium castings. Two people can exercise on the equipment in a back and forth motion. Experiments with various speeds and different levels of intensity can be done. It gives cardiovascular benefits promotes strengthening the biceps,hips and lower back. Maintenance-free self greased SKF ball bearings. This Equipment is powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***258000.00***							
			4				4.00		
							4.00	**258000.00**	**1032000.00**
32	Supply & fixing of Bicycle (Exercise Cycle) (Area- 4'x3' Height -4') : This is a stationary cycle made up of central pillar 100m pipes. The seat is made up of FRP. This equipment gives the benefits of cycling and improves blood flow to the legs. Maintenance free self-greased SKF ball bearings. The whole equipment is powder coated.								
	Data Rate								
		No.							
	Total Rate in Rs	***140000.00***							
			3				3.00		
							3.00	**140000.00**	**420000.00**
33	Supply & fixing of Standing Rotation (Area- 6'x3' Height -4'6") : Providing and fixing Standing Rotation made upof 100mm NBMS pipe the sub stracture consists of 32mm NBMS pipes and heavy duty self greased SKF bearing and bushes provided to ensure smooth plate rotation, the standing plates are made up of pressed sheet metal of heavy gauge it benches in stretching the internal and external oblique's and adding emphasis on the abdominals and extensor muscles of the spine , the above equipment is duly powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***148000.00***							
			3				3.00		
							3.00	**148000.00**	**444000.00**
34	Supply & fixing of Rope Puller : The rope puller made up of 100mm NBMS pipe. The substructure consists of 32mm NBMS pipes and heavy duty pulleys provided to ensure smooth rope transition; These are primary indictor of upper body strength. The exercises phase more emphasis on the trape muscles of the back bleeps Maintenance free self greased SKF ball bearings. the above equipment is duly powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***102000.00***							

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Sl. No.	Particulars	Unit	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
			3				3.00		
							3.00	102000.00	306000.00
35	Supply & fixing of Sitting Rotation (Area- 6'x3' Height -4'6") : This equipment is made up of 100mm NBMS pipe the sub stracture consists of 32mm NBMS pipes and heavy duty self greased SKF bearing and bushes provided to ensure smooth plate rotation, the standing plates are made up of pressed sheet metal of heavy gauge it benches in stretching the internal and external oblique's and adding emphasis on the abdominals and extensor muscles of the spine , the above equipment is duly powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***134000.00***							
			3				3.00		
							3.00	134000.00	402000.00
36	Supply & fixing of Hip Swivel (Area- 3'x3' Height -4'6") : This equipment is made up of 100mm NB central pillars. The foolsteps are made up of Aluminium castings. This exercises a swinging motion on slide and thereby strengthens the ower abdomen , hips and thighs. This improves both cardiovascular fitness and flexibility. The whole equipment is duly powder coated								
	Data Rate								
		No.							
	Total Rate in Rs	***198000.00***							
			3				3.00		
							3.00	198000.00	594000.00
37	Providing and fixing plain Sadarahalli granite benches of 4feet length and 1 feet width with side arm supports of 18" height with all lead and lift and loading and unloading as per the direction of in charge of work including all taxes								
	Data Rate								
		No.							
	Total Rate in Rs	***17000.00***							
			30				30.00		
							30.00	17000.00	510000.00
								Sub Total - 2	**8342000.00**
								Total Construction Cost	**13475776.00**
38								**Add 12% GST Charges (Sub Total 1)**	**616053.00**
39								**Add 5% Tender Premium**	**673789.00**
40								**Add 0.5% DPR Charges**	**75000.00**
41								**Add 1% PMC Charges**	**150000.00**
42								**Misclienous and other charges**	**9382.00**
43								**Grand Total**	**15000000.00**
44									

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2018-19 (Issue Rate 15/07/2019 & 03/01/2020)
4. That the provisions made in the estimate are necessary and quite essential.
5. The roads proposed in this Estimate are not tackled in any of the programmes during last 2 years & all roads are non DLP roads

Consultant
For M/s Team For You

Assistant Engineer
Project Dasarahalli Zone Division
BBMP

Asst. Executive Engineer
Project Dasarahalli Zone Division
BBMP

Executive Engineer
Project Dasarahalli Zone Division
BBMP

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ನಂ: 02/ 22-23 ದಿನಾಂಕ: 06/05/2022
ರೂ: Rs. One hundred and fifty lakhs Only (P-3588)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
014-20-000096

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ದೊಡ್ಡಬಳ್ಳಾಪುರ ವಲಯ, ಬಿಬಿಎಂಪಿ.

Technically Sanctione for Rs. 134.75 Lakhs/-
Rs. In words Rs. One Hundred & thirty Four lakhs Seventy Five thousands only
Under P-3588
—
Job Code No 04420-000096
Registered as CE No. 27/21-22
to conditions contained in Enclosed
No CE/02/TS/R.7/21-22 Dt: 05/07/2021

AE/JE: TA CE